

## **Apparatus and Method for Combining First and Second Image Data of an Object**

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### **Abstract**

The invention relates to a method of combining first and second image data of an object (3), wherein the first image data of the object (3) are repeatedly generated by an  
10 ultrasound detector (1), wherein the second image data of the object (3) are generated separately, for example the second image data have been recorded earlier by a computer tomography, a magnetic resonance or a positron emission tomography imaging device, wherein the first image data are transferred from the ultrasound detector (1) to a combination device (5) and wherein the combination device (5) is adapted to combine  
15 the first and second image data of the object (3).

Geometry data is transferred in addition to the first image data from the ultrasound detector (1) to the combination device (5), wherein the geometry data comprise information for establishing a link between the geometry of the first image data and the  
20 geometry of the second image data.

(Fig. 1)